

Patent claims

1. An outer ring (2, 19) of a wheel bearing (8, 23) having a radial flange (2c, 19a), the flange (2c, 19a) extending radially outward at the axial end of the outer ring (8, 19) of tubular configuration, and the flange (2c, 19a) having recesses (2f) which pass axially through the flange (2c, 19a) and are open radially to the outside, for fastening the flange (2c, 19a) to a wheel carrier (7, 24).
2. The outer ring as claimed in claim 1, in which the recesses (2f) are of arcuate design.
3. The outer ring as claimed in claim 1, the outer ring (2, 19) being cold formed.
4. The outer ring as claimed in claim 1 on a wheel bearing (8, 23), the outer ring (2) being supported radially at least partially in a wheel carrier (7, 24) and the flange (2c) being fixed axially here to the wheel carrier (7, 24) by way of fastening elements (14), the flange (2c) being engaged from behind by the fastening elements (14) on a side (2e) of the flange (2c) which faces axially away from the wheel carrier (7, 24) and, as a result, being held axially on the wheel carrier (7, 24) axially.
5. The outer ring as claimed in claim 5, in which bolts reach through the recesses (2f), the fastening elements (14) being the bolts.
6. The outer ring as claimed in claim 1, in which the fastening elements (14) are heads (14) of the bolts.

7. The outer ring as claimed in claim 1, in which the flange (2c) bears axially against the wheel carrier (7, 24) at least in sections.

8. An axial securing means of an outer ring (2) of a wheel bearing (23) on a wheel carrier (24), in which the outer ring (2) bears axially against the wheel carrier (24) with a radial flange (2c) and the flange (2c) is fixed axially to the wheel carrier (24) by way of fastening elements (14), the flange (2c) being engaged from behind by the fastening elements (14) on a side (2e) of the flange (2c) which faces axially away from the wheel carrier (24) and, as a result, being held axially on the wheel carrier (7, 24) axially, and each of the fastening elements (14) at the same time bearing axially against the wheel carrier (24) and against the flange (2c).

9. The axial securing means as claimed in claim 8, in which the fastening elements (14) are bolts with heads (14a), each of the bolts being fixed in the wheel carrier (24) and engaging from behind the flange (2c) with a head (14a) on that side on the flange (2c) which faces away from the wheel carrier (24), and the head (14a) bearing at the same time both axially against the flange (2c) and against the wheel carrier (24).

10. The axial securing means as claimed in claim 9, in which each of the heads (14a) bears axially against an axial projection (25a) of the wheel carrier (7), the projections (25a) adjoining the flange (2c) radially.

11. The axial securing means as claimed in claim 9, in which the heads (14a) bear against a common axial annular section (27) of the carrier (24), the annular section (27) surrounding the flange (2c) circumferentially.